

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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34-1-03

IN THE MATTER OF:

APPLICANT: ANTONIO JOSE DE ARAUJO PORTO

APPLICATION NO.: 09/837,951

EXAMINER: TRINH T. NGUYEN

FILED: APRIL 19, 2001

GROUP ART UNIT: 3726

FOR: METHOD OF MANUFACTURE AND ENTIRE PISTON, AND FORGING TOOL

March 27, 2003

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents
And Trademarks
Washington, D.C. 20231

S I R:

Pursuant to the filing of the CPA and telephone interview held with the Examiner on March 24, 2002, please amend as follows:

IN THE SPECIFICATION:

Page 8, after line 19: insert the following:

-- In the initial manufacturing step (A)
a rod-like and optionally cylindrical blank (1)
is upset and provided with a skirt 22 and a
cavity 2, whereby contours 3-6 are shaped onto
the skirt 22 along a longitudinal axis 1' in
the vicinities of its inner and outer
circumferences 3 and of its upper and lower
faces 4.

In the subsequent manufacturing step (B)
further contours 6 are shaped onto the
preliminarily-shaped piston 7 along another
axis 1" by forging at approximately 90° to the
first axis 1', especially the longitudinal
axis. --

IN THE CLAIMS:

Change claims 16-26 to read as follows:

-- 16. A method of manufacturing an entire piston for
internal-combustion engines comprising the steps of: